· Luje
is is [I, I]= I cl'is A 2 d Co I R adding dop A ord A je of T c is
A is a start a in
८ पूर्रा
16-16 TO ASSED DE DE L'ASSES COLL
d(I) CI che very Azi is donne PI che Azi de I cill
O C C TO THE TOTAL THE CAN THE
L=[[n, 7]; 2,8 c] } = [T, T] = < f7 Cd
253 D
~α∈ <u>i</u> ; α= ∑); χ; ∈ £
22 = [J., 3.] : J., 3. E I
d(a)=d([];xi)=[]d(xi)
Q(a) = d(L) 7:2:) = 6) a(2:)
= 9 cx; y = 9 ([2:2:1]-[9:2:1.3-]+[2:0]
= 9(2:) = [9(3:), 2:]
= d ₁ (3;) - d ₂ (3;)
= \(\begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
EP CI CA
€7 -€ ₹
⇒d(a)=[]d(ni) = <27=]
ن الله الله الله الله الله الله الله الل
التكن م منت شياع راهيم الفيكاء
MacRo = { (ais) i ais (R)
المعنيف من الرسم الرسم من الرس

: 151.
ais, by EMACRY cild
(aij)+(bij) = (aij + bij) (wife of
ال الم الم الم الم الم الم الم الله على الم الله على الم الله على الله الله على الله الله الله الله الله الله الله ال
-0; j=(-a; j) = Q; EM(P) pes es i pe
· · · · · · · · · · · · · · · · · · ·
(r, (a;;)) -> (k. (a;;)) -(k.a;;)
7 7 - 72 - EB - 01,2 EMECR)
(5(.)+)+)(a;) = ((),+),) -(), (a;) +) a;)
= (-),a;j)+(),a;j)
A (ais) - (piste work) A JER
7 ((ais) + (bis)) = 7. (ais+bis) = (fais+) bisi)
= ()a;;) + () b;;) =)(a;;) +)(b;;)
A J. M E R A ais E Walk
) (m(a: j)) -] (maii) - (] (maii))
=((]n) (a;i) =(]-(]-(]-(a;i)
1. (a; 5) = (1-a; 5) = a;
Mn(P) Chaine
Marchix War (B) -> War (B)
· (A,R) -> A.RAB-BA
TY THE RESERVE THE PROPERTY OF

agin there were not a definition for the

الأجل حل المدول ١٩١١م عمرك المن قلية عمر بالا
[-]: Mn (R) xmn(R) - mn(R)
(AB) - CAB) = AB-BA
WEALD-AA-AA = U YAEM-(P)
€ V-AB, C & Mn (R): [A+B, c]=
= (A+B).c - C(D+B)
= A.C+BC-CA-CB
= [A, c] + [B, c]
سان عذاب سانة و نوالموات ما نكو عملا ه نين
[A, B, c] = [A, B] + [A, c]
YXER [XA,B] = (XA)B-B(XA)
= achp acph
= x (AB - BA) = x [A,B]
[1, AD] =x[A,B] ilēmi Ezkleini
VA, D, C EMM(R) [A, [B, c]] = A. (B, c] - [B, c].A
= A(BCSBS)-LOCED)A
ACACCAMIL - ENCENTAL
= ABC ACD BCA, CBA (D)
[B, [GA]] = B[C,A] - [C,A]D
= B(cA-Ac)-[cA-Ac)B
- BCA-BACK-CAB+ACB) (0)

2 (2, 43, -2) = ([a, 43, 2]
= C (AB-BA) _ LAB_BA) C
ZICAP-CDA-ABC+BAC/GD
2 5 5 0 0 LE
0 = [[a, 4],] + [[o, 4], a] + [[o, 1], a]
RELLE SUND DE WILLIAM
= SAPUCIUSISIA
· Cu a
المكن A جرك نس الملت البيلة والواهرية A النوان الم الم المرك من المرك ا
جزية غير عادية لا م . م الله عنه الله
-[P,D]=\[b,d] beb deD{
A c' D = B Ciss! s' e
i tagi
is is A 2 this Port B.D.K . R Till, wis of A DEL
[B+D,k]-[D,k]+[D,k]
[\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
EBAK, DJ C [BD] A [K, D] W
ic phi
n=[b,d]=[d,b]=[-d,b]=[D,B]
n=[b,d]=-[d,b]=[-d,b]=[0,B]
€D €B
معتد (۱۳٫۵) و الرسود علی دید نشب اروتزدالماک
The state of the s

a EB+D REK ELP X = [a, k] jus RE[B+D, k] is a
Then den; a=b+d cf,
n=[a, R] = [b+d, k] = [b, R] + [d, R] = [B, K] + [D, K]
[B+0,k] C [B,k]+[D,K] cini
RE[B, K] Sup J = x+7 Jis YE[B, K] + [D, K] is
Chine ZGLD, KJ
$\chi = [k, k]$ $Z = [k, k]$
A PEB GED - K. FrEX
رتدکی کیف
J=2+Z=[b,h]+[d,h]
J=x+= [b, k]-[d, k]+[d, k] (d, k]
= [b-d,k,] + [d,k,+k] : [B+D,k] + [D,k] C_
[B+P,K]
$\chi = [b, a]; b \in \beta a \in [k, d]$ is $\chi \in [\beta, [k, D]]$ is (a) $a = [k, d]; \lambda \in k, d \in D a \in \beta$
a=[R;d]; REK, dED cr>
x=[h, a]=[b, [k,d]]=-[k, [d,b]]-[d, [b,k]]
E[k, [n, p]]+[n, [n, k]]
Sipul in: